



# Dollar and Energy Saving Loans Energy Saving Improvement Analysis

• Read Instructions on Reverse Side. Please Use a Separate Form for Each Improvement

FORM  
32

1. Borrower Name

Mailing Address

City

State

Zip Code

Telephone

( )

2. Location of Building or Energy Improvement (street address or legal description)

3. Describe Proposed Energy Improvement

4. Describe Existing Condition of Building or System

4a. What will be done with the existing materials or equipment being replaced?

5. Estimate **CURRENT** Annual Energy Use and Cost for Building or System Receiving Energy Improvement (show calculations and attach additional pages as necessary)6. Estimate Annual Energy Use and Cost **AFTER** Installation of Energy Improvement (show calculations and attach additional pages as necessary)

7. Estimate Life Expectancy (in years) of Energy Saving Improvement being Installed

8. Cost of Energy Saving Improvement, installed (see instructions) .....

8.

\$

9. Annual Energy Dollar Savings (line 5 minus line 6) .....

9.

\$

/year

10. Simple Payback in years (line 8 divided by line 9) .....

10.

years

I hereby certify that the information presented above and on the attached pages is a true and accurate representation of both the existing conditions and the energy saving improvement which I intend to undertake; that the calculations and underlying assumptions are correct to the best of my knowledge; and that I will permit my lender and the Nebraska Energy Office, as they deem necessary, to have access to the subject property and records in order to make on-site inspections of the improvements or replacements I am proposing under the program.

sign  
here

Signature of Borrower

Date

Mail This Form and Form 33, Energy Billing History to: Nebraska Energy Office, P.O. Box 95085, Lincoln, NE 68509-5085

## INSTRUCTIONS

**LINE 2. Location of Building or Energy Improvement.** This is the actual location where the improvement will be installed or where it is normally stored. It may be a street address or a legal description of land. A post office box number is not acceptable.

**LINE 3. Describe the Energy Saving Improvement.** List the type of energy saving improvement you want to make. Please use a separate form for each improvement you want to make. Include detailed information (model numbers efficiencies, dimensions, etc.) as appropriate to describe both the existing situation and proposed improvement.

**LINE 4. Describe Existing Conditions.** Explain the energy problem you would like to fix. Include detailed information (model numbers efficiencies, dimensions, etc.) as appropriate to describe the situation. List only the problems that will be corrected by the energy saving improvement you want to make under this loan.

**LINE 4a. Disposal.** If you are replacing materials or equipment, what will be done with the existing materials or equipment? These must be disposed of in some manner and you cannot simply move the existing materials or equipment to a new site and continue using them because that would not constitute "replacement."

**LINE 5. Estimate CURRENT Annual Energy Use and Cost.** If one or more of the energy sources listed on Form 33 are used exclusively for the system to be improved (such as an irrigation motor) then list the total here. Otherwise, estimate what portion of the energy listed on Form 33 is used by the system to be improved. For example, if you are replacing an air conditioning system, what portion of the total electric bill is used by the existing air conditioner? List assumptions and show any calculations which were used to derive this estimate. Cost estimates should be based on current prices. Make your calculations on this form in the space provided or attach the calculations on a separate page.

**LINE 6. Estimate Annual Energy Use and Cost AFTER Installation of Energy Saving Improvement.** Estimate the energy which will be required **to do the same job** after the improvement has been made. List assumptions and show any calculations which were used to derive this estimate. Cost estimates should be based on current prices. Make your calculations on this form in the space provided or attach the calculations on a separate page.

**LINE 7. Estimate Life Expectancy of Energy Saving Improvement Being Installed.** How long is the energy saving improvement going to be effective? If the improvement has a limited life expectancy, please list that life in years.

**LINE 8. Cost of Energy Saving Improvement, Installed.** List the total cost of the energy saving improvement after it is installed. This amount should be the cost for all labor, materials and equipment necessary for a properly functioning system which will produce the energy savings described on line 9. If there is a trade-in value on equipment from line 4 which is being replaced then the project cost should be a net cost. Attach copies of price quotes to support the cost (including any trade-in allowance).

**LINE 9. Annual Energy Dollar Savings.** Subtract the amount on line 6 from the amount on line 5. Enter the result on line 9. This is the amount you should save on energy bills each year.

**LINE 10. Simple Payback in Years.** Divide the amount on line 8 by the amount on line 9. Enter the result on line 10. The number you will enter on line 10 is the number of years it will take for the energy saving improvement to pay for itself from the money you will save on energy bills.

This number **cannot** be higher than:

- **15.0 years** for building energy conservation improvements,
- **5.0 years** for replacement household appliances, and
- **10.0 years** for all other projects.

If the number of years on line 10 is **higher** than the limit listed above, your energy saving improvement is not eligible for a low-interest loan.

